

## PROJECT 10073 RECORD CARD

1. DATE 18 January, 1960	2. LOCATION Gulf of Mexico	12. CONCLUSIONS <input type="checkbox"/> Was Balloon <input type="checkbox"/> Probably Balloon <input type="checkbox"/> Possibly Balloon  <input type="checkbox"/> Was Aircraft <input type="checkbox"/> Probably Aircraft <input type="checkbox"/> Possibly Aircraft  <input type="checkbox"/> Was Astronomical <input type="checkbox"/> Probably Astronomical <input type="checkbox"/> Possibly Astronomical  <input type="checkbox"/> Other <u>Anomalous Prop.</u> <input type="checkbox"/> Insufficient Data for Evaluation <input type="checkbox"/> Unknown
3. DATE-TIME GROUP Local <u>122552</u> GMT <u>122552</u>	4. TYPE OF OBSERVATION <input type="checkbox"/> Ground-Visual <input type="checkbox"/> Ground-Radar <input type="checkbox"/> Air-Visual <input type="checkbox"/> Air-Intercept Radar	
5. PHOTOS <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6. SOURCE Military	
7. LENGTH OF OBSERVATION 18 Seconds	8. NUMBER OF OBJECTS One	9. COURSE E to W
10. BRIEF SUMMARY OF SIGHTING B-52 Radar picked up object with estimated speed of 10-14,000 mph on collision course at 38,000 ft with heading of 060 deg. Air speed at time was 440 kts. Object bearing 20 deg on inbound track and 240 deg after passing a/c. Initial pickup on one radar at 60 nm. After passing a/c followed by second radar with 2 sec sweep and followed for 6 seconds with pickup at 1,500 yds, 5,000 yds and 9,000 yds. No meteorological inversion. No other a/c in area and not picked up by ground Radar.		11. COMMENTS Consultation with Mr. Bryant of TDE-1 and his belief was that the object was interference from within the A/C due to the collision course and the fact that the object was not picked up by ground Radar. Considered to be caused by anomalous propagation.

ATIC FORM 329 (REV 26 SEP 52)

PAGE TWO RJEKL 51B

APPROXIMATELY 1500 YARDS, 5000 YARDS, AND 9000 YARDS. THE ONLY KNOWN GROUND RADAR OPERATING IN THE VICINITY WAS "TAPE WORM" GCI. TAPE WORM WAS INFORMED OF THE SIGHTING BUT STATED THEY SAW NOTHING. WE UNDERSTAND THEIR SWEEP RATE IS 12 SECONDS, THEREFOR THE OBJECT WOULD NOT LIKELY HAVE APPEARED ON IT. THE ONLY AVAILABLE METEOROLOGICAL INFORMATION WAS INCLUDED IN THE ORIGINAL REPORT.

BT

11/2129Z FEB RJEKL

NNNN

SMITHSONIAN INSTITUTION  
ASTROPHYSICAL OBSERVATORY

OFFICE OF THE DIRECTOR  
ASTROPHYSICAL OBSERVATORY  
60 GARDEN STREET  
CAMBRIDGE 38, MASSACHUSETTS

26 January 1960

Major Robert J. Friend  
ATIC  
Wright Patterson Air Force Base  
Dayton, Ohio

Dear Major Friend:

With reference to the anomalous radar sighting of which I took a transcript, I have checked with some of our radio astronomers and find that this might be a scattering phenomenon. In order to check this it is necessary to find out (as soon as possible, I hope) whether either of the radars had any range readings. Also, it is important to know whether there were any large surveillance or acquisition radars on the ground in the neighborhood. It is possible that there was a meteorological condition at the tropopause which was scattering the beam from a powerful ground radar. In this case, the radars on the plane would have observed a blip, but they would not have been able to get a series of range readings on it. Thus this information is rather crucial.

I will await further information from you on this before I take the matter up with ARDC.

Sincerely yours,

*J. Allen Hynek*

J. Allen Hynek  
Associate Director

b/

P.S. This may be a bird on our next meeting. Our briefing for General Wray at WPAFB is set for Feb. 25 - I don't know how much time it will take. In any case, I will be with you the evening before, and we might have some time the next day. If I can't be with you for the whole panel meeting, I'm sure I could be with you for 1 hour anyway.

AIR TECHNICAL INTELLIGENCE CENTER  
UNITED STATES AIR FORCE  
WRIGHT-PATTERSON AIR FORCE BASE  
OHIO



REPLY TO:  
ATTN OF: AFCIN-4E2

SUBJECT: Radar Sighting

22 January 1960

TO: AFCIN-4E1

The attached UFO report is submitted to your office for evaluation.

*Richard R. Shoop*

RICHARD R. SHOOP  
Colonel, USAF  
AFCIN-4E

1 Atch:  
Cy Inc Msg Cite: DCOI0504  
dtd 20 Jan 60

RECEIVED

15 JUN 1963

UFO

462  
2  
3 AFM  
10

ZCZCS1PL390CZCSOB658ZCWB982

PP RJEBSC

DE RJEBKL 5/3

P 201640Z ZEN

FM 4238 STRATWG BARKSDALE AFB LA

TO RJWFAL/AIR DEFENSE COMMAND, ENT AFB, COLO

RJWFKF/CENTRAL AIR DEF FORCE (HQ) 23 AIR DIV RICHARDS-CENBAUR AFB MO

CJEDSC/AUSTRALIAN INTELLIGENCE CENTER WRIGHT-PATTERSON AFB OHIO

RJEZHQ/HQ USAFS(AFCIN) WASH 25 DC

RJEMHQ/SECRETARY OF THE AIR FORCE (SAFIC) WASH 25 DC

INFO RJWXBR/SAC OFFUTT AFB NEBR

T

UNCLASSIFIED FROM DCOI 2504. DAYLIGHT.

ACTION: ADC, 23ADIV, ATIC, HQ USAF, SAF. INFO: SAC, 2AF,  
4AIRDIV. SUBJ: UNIDENTIFIED FLYING OBJECTS. MESSAGE TRANSMITTED  
LAW INSTRUCTIONS IN AFR 221-2 UFO. A. (1) FOUR CREW MEMBERS  
OBSERVED WHAT APPEARED TO BE A LARGE OBLONG OBJECT ON TWO  
RADARSCOPES. (2) OBJECT ABOUT THREE, 3, TIMES THE SIZE OF A  
-52 PRESENTATION ON AN ASB-4 RADARSCOPE. (3) COLOR NOT  
DETERMINED SINCE OBJECT APPARED ELECTRONICALLY. (4) SINGLE OBJECT.  
(5) FORMATION N/A. (6) NO DETAILS OTHER THAN OBLONG SHAPE.  
(7) NO TAIL, TRAIL OR EXHAUST OBSERVED. (8) ELECTRONICALLY

PAGE TWO RJEEKL 5CB

OBSEVED, NO SOUND. (9) OBJECT TRAVELING BROADSIDE, RATHER THAN HEAD AND STERN. B. (10) OBSERVERS FIRST NOTED OBJECT TRAVELING AT A TERRIFIC RATE OF SPEED, ESTIMATED TO BE 13,000 TO 14,000 KNOTS, ON WHAT APPEARED TO BE A COLLISION COURSE FROM 50 MM SCOPE RANGE TO 20 DEGREES LEFT OF THE CENTER OF AIRCRAFT, IN 15 SECONDS. (2) WHEN FIRST OBSERVED OBJECT APPEARED TO BE TRAVELING AT SAME ALTITUDE ON HEADING OF 220 DEGREES. (3) WHEN LAST OBSERVED TAIL GUNNER HAD PICKED-UP OBJECT AS IT PASSED AIRCRAFT AND DISAPPEARED ALMOST INSTANTANEOUSLY ON A HEADING OF 240 DEGREES. (4) FLIGHT PATH OF OBJECT APPEARED HEAD-ON IN STRAIGHT FLIGHT PASSING THROUGH CENTER OF NAVIGATORS SCOPE IN A BROADSIDE FLIGHT PATTERN. (5) OBJECT DISAPPEARED ALMOST INSTANTANEOUSLY AFTER PASSING AIRCRAFT IN WESTERLY DIRECTION. (6) OBJECT WAS OBSERVED FOR 15 SECONDS BY THREE OBSERVERS ON THE ASB-4 AND REPEATER SCOPES AND ABOUT 6 SECONDS OR 3 SWEEPS ON THE TAIL GUNNERS SCOPE.

C. (1) OBSERVATION WAS AIR ELECTRONICS ONLY - PICKED UP ON ASB-4 AND REPEATER SCOPE AND MD-9 RADARSCOPE. (2) NO OTHER OPTICAL AIDS USED. (3) OBSERVATION WAS OBSERVED ON RADAR ONLY, OF B-52 AIRCRAFT NUMBER 570072 AT 38,000 FEET, ON A HEADING OF

PAGE THREE RJEKL 513

B6) DEGREES, TRUE AIR SPEED 442 KNOTS. HOME STATION BARKSDALE AFB, LA. D. (1) DATE TIME GROUP OF SIGHTING 18/2255Z. (2) LIGHT CONDITIONS WERE DAYLIGHT. E. (1) APPROXIMATE LOCATION 2745N-9545W OVER WATER APPROXIMATELY SOUTH OF THE SOUTHWEST CORNER OF THE DANGER AREA W223.

F. MILITARY PERSONNEL:

VAN ZANDT, RICHARD D., 1ST LT., 436BS, NAVIGATOR.

NISLE, ARTHUR L., 1ST LT., 436BS, RADAR OFFICER.

WALLACE, JOHN M., JR., CAPT., 3912 S.S.C., INSTR. NAV.

FERRELL, EDWARD E., S/Sgt. 436BS, GUNNER.

ALL PERSONNEL ARE CONSIDERED COMPLETELY RELIABLE. G. WEATHER CLEAR, WINDS FROM 260 DEGREES AT 172 KNOTS, TEMPERATURE MINUS 45 DEGREES CENTIGRADE, CORRECTED AT ALTITUDE INDICATED. H. NO UNUSUAL ACTIVITIES OR CONDITIONS AT TIME OF SIGHTING. I. SIGHTING REPORTED TO "TAPE WORM" GCI, ABOUT 15 MINUTES AFTER SIGHTING-TAPEWORM REPORTED NO OBSERVATION OR UNUSUAL ACTIVITY. J. B-52 ONLY AIRCRAFT CLEARED FOR RANGE AT TIME OF SIGHTING-FACT CONFIRMED BY GCI. ONLY OTHER AIRCRAFT IN AREA HAD ALREADY CLEARED THE RANGE AND WAS HEADING IN WESTERLY DIRECTION-HOWEVER NO VISUALLY OBSERVED. K. REPORT PREPARED BY 4238TH STRATEGIC WING INTELLIGENCE OFFICER. NO FURTHER

PAGE FOUR RJEML 51B

COMMENT NOR ANALYSIS OTHER THAN NATURAL PHENOMENON OR PERHAPS INTERFERENCE FROM GCI STATIONS IN VICINITY. "NOTAM" FOR U233 WERE CHECKED PLUGTAPE WORM CLEARED AIRCRAFT ON TO THE RANGE. DETACHMENT 11, 26TH WEATHER SQUADRON AT BARKSDALE AFB, LA. WAS CHECKED FOR WEATHER CONDITIONS AT TIME AND PLACE OF SIGHTING FOR USUAL CONDITIONS PROVIDED THE FOLLOWING: JET STREAM APPROXIMATELY 140 NM NORTH OF CORPUS CHRISTIE, MAXIMUM WIND 140 TO 150 KNOTS BROKEN CIRRUS, BASES 32,000 FEET TOPS 42,000 FEET IN LAYERS. L. NO PHOTOGRAPHS TAKEN IN EXCITEMENT OF INCIDENT BUT WAS OBSERVED BY TWO DIFFERENT RADARSCOPES BY FOUR COMPETENT OBSERVERS NO VIRTUAL SIGHTING WAS OBSERVED BY OTHER CREW MEMBERS.

BT

27/1659Z JAN RJEKL

## JOINT MESSAGEFORM

SECURITY CLASSIFI ON

UNCLASSIFIED

SPACE BELOW RESERVED FOR COMMUNICATION CENTER

1961 FEB 9 20 02

PRECEDENCE ACTION ROUTINE INFO	TYPE MSG (Check) BOOK    MULTI    SINGLE	ACCOUNTING SYMBOL AF	ORIG. OR REFERS TO DCOI 0504	CLASSIFICATION OF REFERENCE UNCLAS				
FROM:  ATIC, W-P AFB				SPECIAL INSTRUCTIONS  TO: BARKSDALE AFB, LA <i>RGE BKL</i>				
<i>/UNCLASSIFIED/</i> FROM: AFCIN-4E2 <i>2-433-E</i>  ATTN 4238 STRATWG. YOUR MSG DCOI 0504. REQ FOLLOWING INFO BE FWD THIS CENTER: WERE ANY RANGE READINGS AVAILABLE? WERE ANY LARGE SURVEILLANCE OR ACQUISITION RADAR OPERATING ON THE GROUND IN THE NEIGHBORHOOD AT THE TIME OF THE SIGHTING? AS COMPLETE METEOROLOGICAL DATA AS POSSIBLE FOR THE AREA AT THE TIME OF THE SIGHTING.								
<table border="1"> <tr> <td>DATE 8</td> <td>TIME 1520</td> </tr> <tr> <td>MONTH FEB</td> <td>YEAR 1960</td> </tr> </table>					DATE 8	TIME 1520	MONTH FEB	YEAR 1960
DATE 8	TIME 1520							
MONTH FEB	YEAR 1960							
WRITER W RITER	SYMBOL AFCIN-4E2  TYPED NAME AND TITLE (Signature, if required) Major Robert J. Friend	PAGE NR. 1	NR. OF PAGES 1	SIGNATURE <i>Philip G. Evans</i> TYPED (or stamped) NAME AND TITLE PHILIP G. EVANS Colonel, USAF AFCIN-4E2				
RELEASER UNCLASSIFIED								

NNNN

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1000 FEB 12 02 34

RC035

CZCSDQD562ZCWYA625

MN RJEDSO

DE RJEDKL 51B

M 112114Z

FM 4238 STRATWG BARKSDALE

TO AIR TECHNICAL INTELLIGENCE CENTER WPAFB

BT

UNCLAS FROM DCOI 1073, DAYLIGHT.

YOUR MSG AFCIN 4E2 2-453<sup>E</sup>. RANGE READINGS: THE AIRCRAFT  
HEADING WAS 60 DEGREES. THE OBJECT FIRST APPEARED ON THE  
ASB-4 AND REPEATER SCOPES AT RANGE 60 NAUTICAL MILES ON A 40  
DEGREE TRUE BEARING FROM THE AIRCRAFT. THE OBJECT MOVED ON  
A HEADING OF APPROXIMATELY 220 DEGREES DISAPPEARING INTO THE  
CENTER OF THE SCOPES IN APPROXIMATELY 15 SECONDS WHAKPPT  
APPARENTLY PASSED OVER OR UNDER THE AIRCRAFT. IT THEN APPEARED  
ON THE TAIL GUNNER'S MD-9 RADAR SCOPE, WHICH HAS A 2 SECOND  
SWEEP RATE. THE OBJECT PAINTED THREE TIMES, AT RANGES OF

1-4240  
2-4470  
3-4470

*atc*

*Friend*

AFCI-4F2/Maj Friend/ac/69216

Radar Sighting

22 January 1960

AFCI-4F2

The attached UFO report is submitted to your office for evaluation.

RICHARD R. SHOO  
Colonel, USAF  
ANGCIN-4F

1 Atch:  
Gy Inc Msg Cite: DCOT0504  
dtd 20 Jan 60

COORDINATION:

PMSHarp